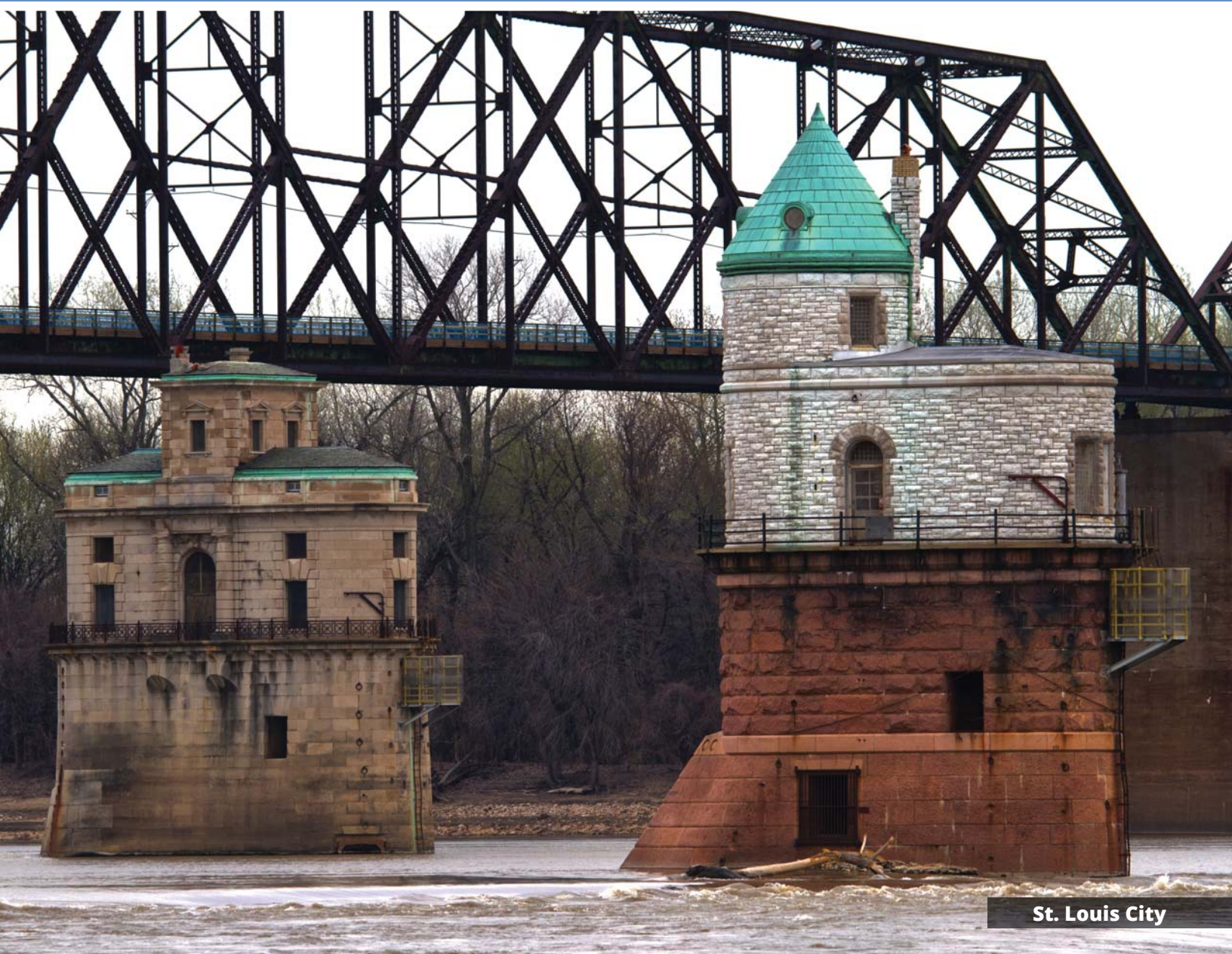




Missouri Department of Natural Resources

2014 Annual Compliance Report

OF MISSOURI PUBLIC DRINKING WATER SYSTEMS



St. Louis City

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Note from the Branch Chief

Missouri is blessed with an abundance of high-quality water supplied by its many underground aquifers and major river networks. These sources provide Missourians with water not only for drinking but for a myriad of household and other purposes. It is critical that water provided to the public be safe and abundant.

In Missouri, the Safe Drinking Water Act is implemented by the Department of Natural Resources, which sets limits and monitors for 91 different chemical and microbiological contaminants in 2,722 public water supplies throughout the state. The department also ensures each public water supply is operated by highly trained and certified staff.

This report provides information on how well public water systems in Missouri are meeting the standards for providing safe drinking water.

This is the 19th Annual Compliance Report produced by the Public Drinking Water Branch. It contains compliance statistics for calendar year 2014. Each state produces a similar annual report on its public water systems. The reports are made available to the public and are provided to the U.S. Environmental Protection Agency for inclusion in a national report summarizing the performance of the nation's public drinking water systems.

The branch provides this report not only to comply with statutory obligations mandated by the federal Safe Drinking Water Act, but also to focus attention and provide an understanding of the importance of quality drinking water to the public.

The report shows Missouri's water systems continued to provide safe and reliable drinking water in 2014. While overall compliance with all our drinking water rules is high, the Total Coliform Rule monitoring and maximum contaminant level requirements generate the most violations. This reflects the relatively high frequency of monitoring and vulnerability of water systems to bacteriological contamination. The Groundwater Rule, requiring systems at risk for fecal contamination to disinfect, is closely aligned with the Total Coliform Rule and compliance with it can also be a challenge. Significant progress has been made on radionuclide compliance, although several new systems are working with the department on options to meet standards. More stringent requirements under the Stage 2 Disinfectants and Disinfection Byproducts Rule began going into effect in 2012, requiring secondary water systems to meet standards also. This has also resulted in difficulties for many systems, but the department has been very active in assisting systems through regional office staff, circuit riders and assistance by the University of Missouri. However, the issue is complex and it may take a few years for all water systems to come into compliance with the new requirements. Complying with Consumer Confidence Report requirements continues to be a challenge. The Public Drinking Water Branch has made it easier for systems by hosting the reports on the department's website.

Under the Long Term 2 Enhanced Surface Water Treatment rule, 14 water systems that use surface water as their source will need to install additional treatment to enhance protection against possible waterborne pathogens, after *Cryptosporidium* was found in their raw water sources. Compliance dates vary based on the water system's population, but all will be challenged with the additional treatment requirements. The department will continue focusing on these and other standards to ensure Missourians receive high-quality, safe drinking water.

I hope you find this report informative and useful.

A handwritten signature in black ink, appearing to read 'Sturgess', with a stylized flourish at the end.

Steven W. Sturgess, Chief
Public Drinking Water Branch
Missouri Department of Natural Resources

What is a Public Water System?

A public water system is defined as a system that provides water through piping or other constructed conveyances for human consumption to at least 15 service connections, or serves an average of at least 25 people for at least 60 days each year. These are the systems that are the focus of this report.

There are three types of public water systems:

1. Community systems include towns, water districts, subdivisions, mobile home parks and residential facilities such as nursing homes or prisons.
2. Nontransient noncommunity systems serve the same people every day, but not in a residential setting; schools and factories are good examples.
3. Transient noncommunity systems serve different people daily, such as restaurants, resorts and rest stops. These smaller systems are typically in rural areas where it is not feasible to hook up to a city or water district.

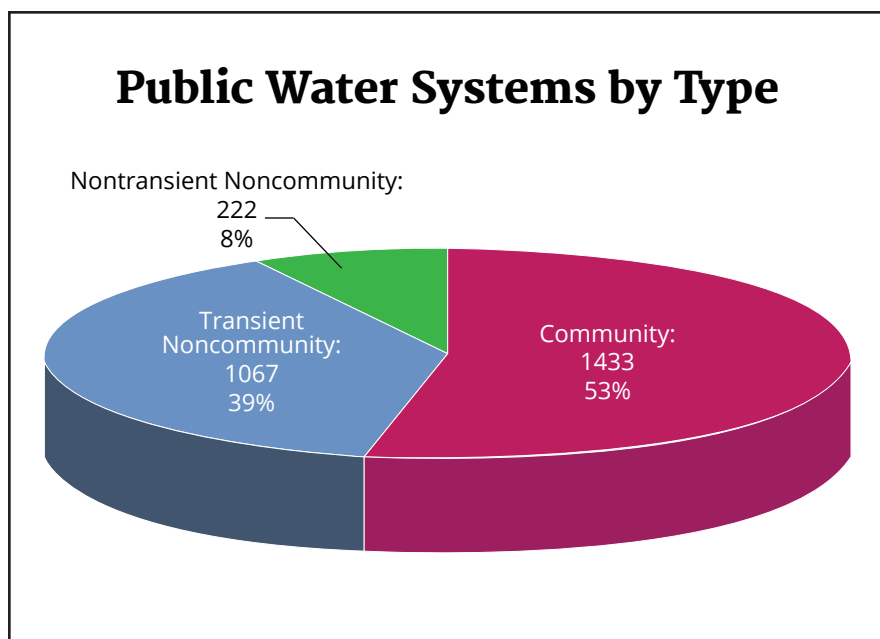
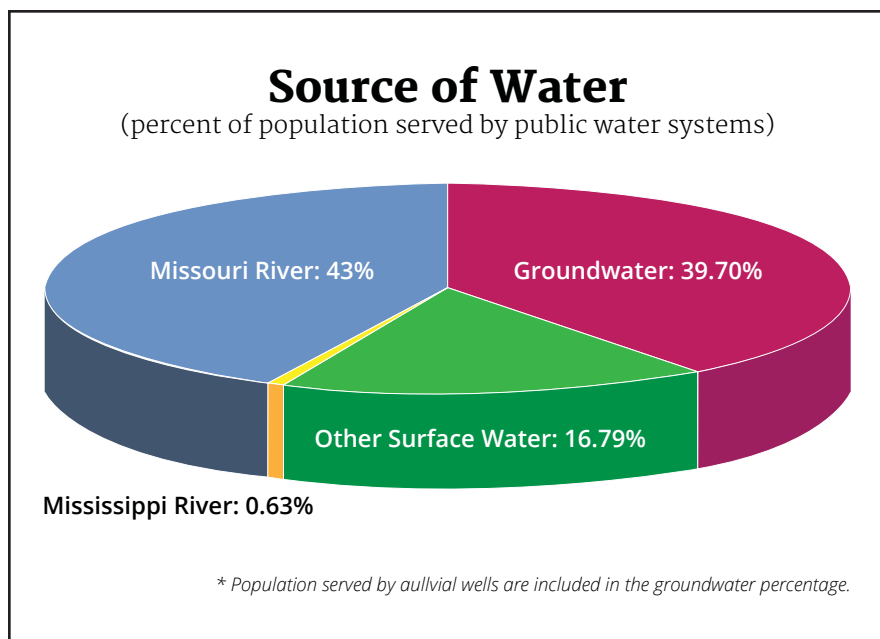
Requirements for construction, operation, monitoring, etc., vary among systems based on their type, size and source of water.

Water testing at systems that are not public water systems (for example, homes served by private wells) is facilitated by local and county sanitarians and the Missouri Department of Health and Senior Services, rather than the Department of Natural Resources.

The Missouri Public Water System Universe

In 2014, there were 2,722 active public water systems in Missouri. Of this total, 1,433 were community, 222 were nontransient noncommunity, and 1,067 were transient noncommunity systems.

The community water systems in Missouri served more than 5 million citizens in 2014. These citizens benefit from one of Missouri's most outstanding resources: its water. There is generally a large quantity of high-quality water in Missouri.



By far the largest source of drinking water for Missourians is surface water from the Missouri River. The abundant supply of water in the Missouri River and its proximity to the state's major population centers make the use of this river as a source so popular.

Groundwater is the next most used source of drinking water for Missouri's community supplies. In southern Missouri, good quality groundwater is easy to obtain and typically requires very little treatment to be used for drinking water. Some groundwater systems have the best of both worlds and

use alluvial wells in valleys of the Missouri and Mississippi river system where they can get large volumes of water free of surface contaminants. Wells in the Missouri River alluvium provide groundwater to a significant population. More than half the state's population gets their drinking water from the Missouri River or its alluvial wells. The importance of this resource cannot be overstated.

Analysis of Compliance

We expect a lot from our public water systems and require testing for 91 different regulated chemicals and microbiological contaminants on a regular schedule. A system is to be applauded for performing all required testing and meeting all maximum contaminant levels, also referred to as MCLs, and treatment technique standards. When violations do occur, that often is the first identification of a problem and can be the first step toward correcting it. Many public water systems perform testing beyond what is required by the state.

The Summary of Violations table in this report counts individual violations. Each public water system has the potential to accumulate multiple violations during the year because there are multiple regulations involved and some monitoring is on a monthly schedule. For example, the monitoring requirements for the Total Coliform Rule alone create a potential for more than 30,000 violations. This puts some perspective on the violation figures shown in the

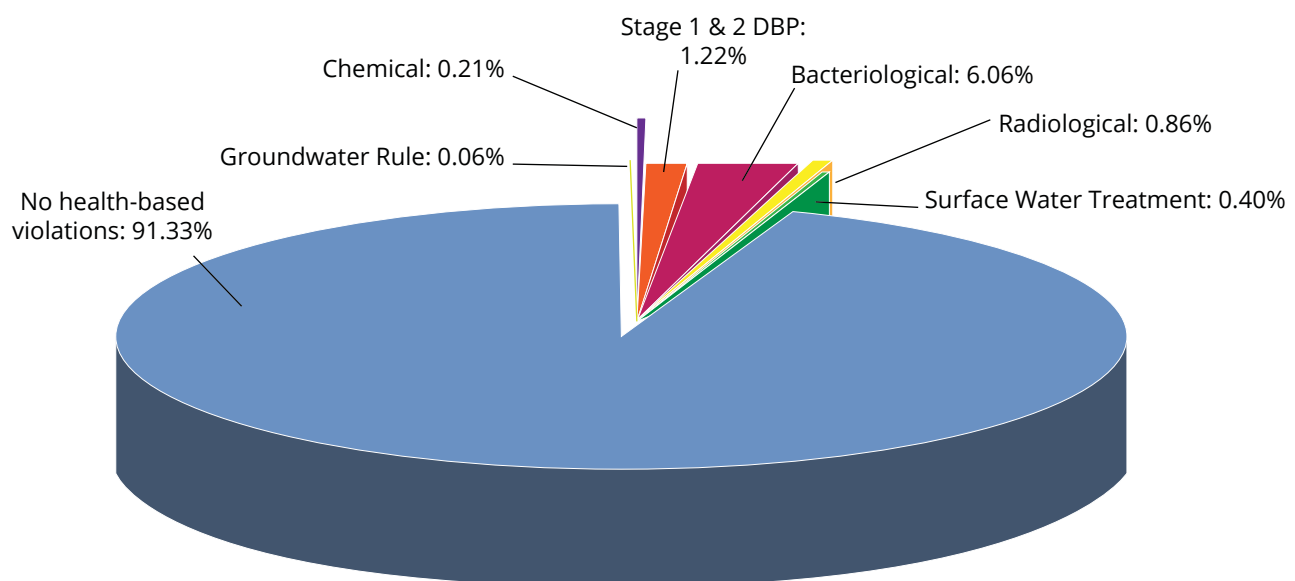
Summary of Violations table and the information in the appendices. Another factor to consider is the number of systems that have violations. Many of the violations are from water systems with problems that result in multiple violations during the year. Other systems may only have one or two violations.

Appendices A through C list specific systems by county. The department uses various methods to focus on the water systems that need attention. The department used a process for many years developed by EPA to identify significant noncompliers. State regulators were critical of this process because it weighted monitoring and reporting violations as much as health-based violations. As a result, EPA developed a new enforcement response policy that focuses on health-based violations. This new policy includes an enforcement targeting tool that tracks systems with the most noncompliance. The new policy and tool identify priority systems for enforcement response, define timely and appropriate enforcement responses and clarify what constitutes a formal action.

Maximum contaminant level and treatment technique violations represent the most significant impact on the public health. These occurred at a small number of public water systems serving approximately 8.67 percent of the population.

Since 1996, when the first Annual Compliance Report was produced, through 2003, Missouri has consistently met or exceeded EPA's target of serving water that meets all health-based standards to 95 percent of the population. Again in 2006, Missouri community water systems met EPA's target. The small dip below the 95 percent target in 2004 and 2005 did not represent a reduction in water quality, but is a result of more stringent drinking water standards. In 2007, this compliance measure dropped significantly because Missouri's largest water system had a treatment technique violation. The same phenomenon happened again in 2010. Even though these events were of short duration, the entire population had to be counted in this statistic. For more information on this item, refer to the 2008 Annual Compliance Report.

Percent Population of Community Water Systems in Violation of Health-based Standards



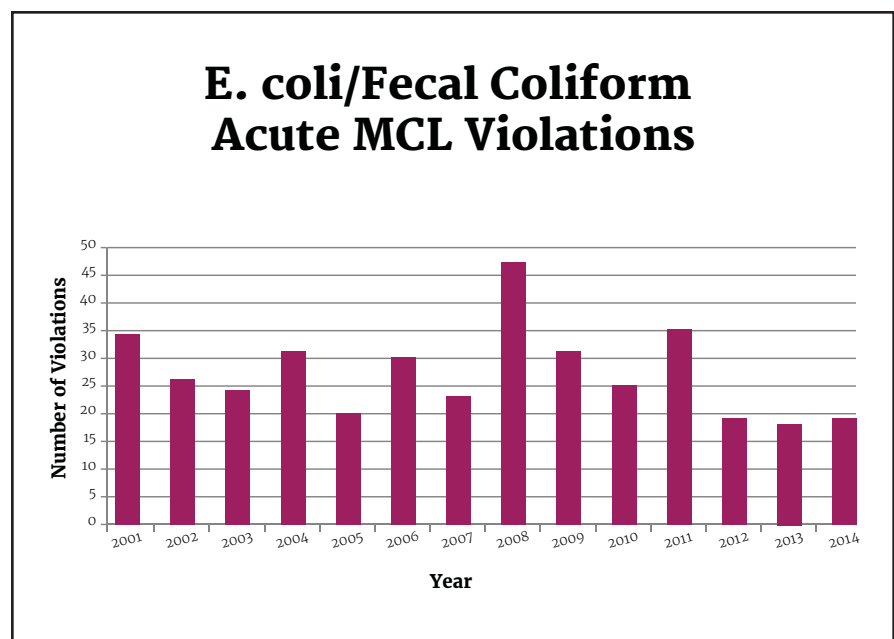
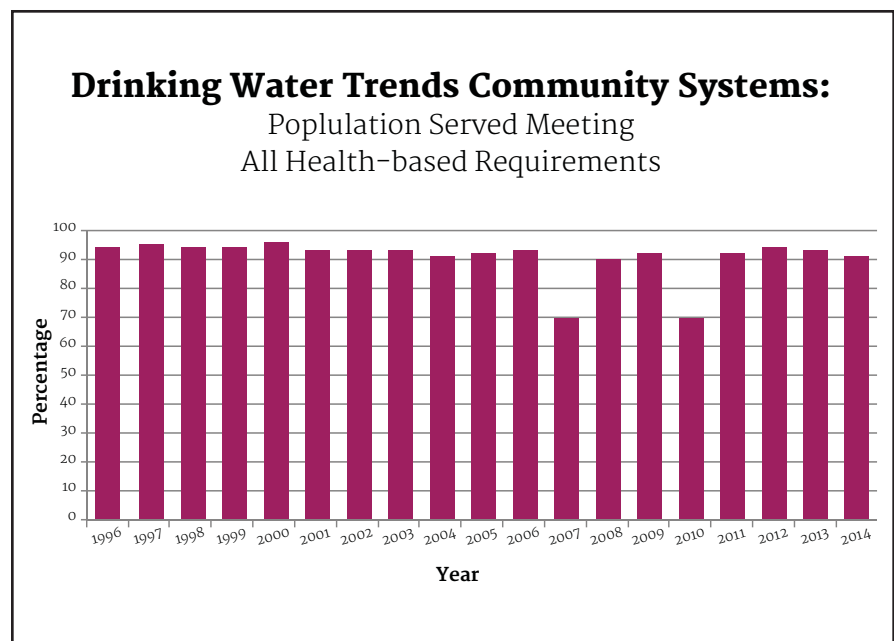
EPA and the states have worked together to develop an additional compliance measure called “person-months during which community water systems provide water that meets health-based standards.” This measure is intended to take into account situations where violations are of short duration. Missouri achieved 91.33 percent compliance with this measure in 2014. The national target for federal fiscal year 2014 was 95 percent.

The majority of MCL and monitoring violations in 2014 were for failure to meet the requirements of the Total Coliform Rule. Total coliform bacteria serve as an indicator that disease-causing organisms may be present. All public water systems in the state must test for this type of bacteria every month they dispense water to the public. Monitoring violations are by far the most common violation for this rule. The department is particularly concerned when monitoring violations occur at public water systems that have a history of bacteriological contamination. Adequate testing is the only way to know for sure if the problems have been corrected or have reoccurred.

In 2014, 19 public water systems, 0.70 percent, had acute violations for fecal coliform or E. coli.

Another way to look at the number of acute MCL violations is to compare the number that actually occurred to the number possible. Since bacteriological testing is required monthly, the 2,722 water systems had more than 30,000 chances to get an E. coli MCL violation. The 19 that actually occurred represent less than percent of the number possible. While these acute violations can be serious, they are rare.

Some people may be more vulnerable to waterborne illness than the general population. To educate the public on this issue, community water systems include a warning in their annual Consumer Confidence Reports stating that some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections.



The Consumer Confidence Report provides detailed information about the specific community water system, while this report does not. Consumer Confidence Reports include specifics about the water system, including the source of drinking water and the levels of naturally occurring substances in drinking water. Usually these pose no health threat and are not violations. The report must list violations of state and federal requirements for that year. In 2014, 84.44 percent of Missouri’s community water systems distributed their Consumer Confidence Reports properly.

Consumer Confidence Reports are available online at dnr.mo.gov/ccr/index.html or can be requestd by calling the department’s Public Drinking Water Branch at 800-361-4827 or 573-751-5331.



Compliance Activities: Preserving the Quality of Drinking Water

The department works closely with violators to return them to compliance in a timely manner. This includes phone contacts, on-site inspections, meetings with owners or operators and technical assistance as needed. For more serious violations, a bilateral compliance agreement between the water system owner and the department is the tool used to return the system back into compliance. Bilateral compliance agreements are voluntary written agreements negotiated between the system owner and department's regional office. This process allows the department to determine the improvements the water system needs to make without either party having to endure the time and cost of formal litigation.

If a water system owner or operator violates a bilateral compliance agreement, the department takes formal enforcement actions. The public water system is referred to the Public Drinking Water Branch for an administrative order on consent. This order includes a compliance schedule and penalties. If this enforcement action is unsuccessful then the Public Drinking Water Branch refers the matter to the attorney general's office for suit and injunctive relief.

Public Drinking Water Branch staff work in conjunction with other agencies to protect public health. By serving on a committee with staff from the Department of Health and Senior Services, the two agencies identify ways to support and benefit each other's activities. One of those areas is enforcement activity against facilities, such as restaurants, that are regulated by both agencies.

The department provides training and technical assistance in an effort to prevent the occurrence of violations. Training is routinely provided to operators and owners of public water systems around the state, primarily concentrating on the basic principles of running a water system, performing the required monitoring and preventing contamination of the system. Technical assistance in the form of phone contacts and on-site visits is also available to help water system operators avoid or correct problems. Staff in the department's regional and satellite offices carry out most of these activities.

For all violations, public water systems are required to notify the consumers they serve. The department provides all public water systems with the necessary forms and information to effectively notify the public. The method of notification varies by the violation and system type. Systems must report back to the department how the public notice was performed. Some violations, such as the

confirmed detection of fecal coliform bacteria or E. coli, warrant immediate action due to the threat to public health. For such acute violations, the department requires systems to notify customers within 24 hours to boil water before consumption. Boil water orders remain in effect until the problem has been corrected and the water is safe to consume.

For More Information

Information about Missouri's public water systems can be obtained by writing to the Missouri Department of Natural Resources, Water Protection Program, Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102-0176 or calling 800-361-4827 or 573-751-5331. Information is also available at www.dnr.mo.gov/env/wpp/dw-index.htm.

Summary of Violations Table

The following definitions apply to the Summary of Violations table.

Filtered Systems: Water systems that have installed filtration treatment [10 CSR 60-4.050].

Inorganic Contaminants: Non-carbon-based compounds such as metals, nitrates and asbestos. These contaminants are naturally-occurring in some water, but can get into water through farming, chemical manufacturing and other human activities [10 CSR 60-4.030].

Lead and Copper Rule: Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures [10 CSR 60, Chapter 15]. Violations are reported for: failure to monitor; failure to install optimal corrosion control treatment or a source water treatment system that would reduce lead and copper levels in water at the tap; failure to replace lead service lines on the schedule required by the regulation; and failure to provide required public education about reducing or avoiding lead intake from drinking water.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories [10CSR 60-4.040 and 4.100].

Radionuclides: Radioactive particles that can occur naturally in water or result from human activity. Safe drinking water regulations set maximum contaminant levels on five types of radionuclides: radium-226, radium-228, uranium, gross alpha and beta particle/photon radioactivity [10 CSR 60-4.060].

Surface Water Treatment Rule: This includes a series of rules promulgated from 1989-2009 that establish criteria under which water systems supplied by surface water sources, or groundwater sources under the direct influence of surface water, must filter and disinfect their water (Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term 1 Enhanced Surface Water Treatment

Rule, Long Term 2 Enhanced Surface Water Treatment Rule) [10 CSR 60-4.050 and 60-4.052].

Violations of the surface water treatment rules are reported for the following categories:

- **Monitoring, routine/repeat (for filtered systems):** Failure to carry out required tests or to report the results of those tests. A major monitoring violation for the surface water treatment rule occurs when at least 90 percent of the required samples are not taken or results are not reported during the compliance period.
- **Treatment techniques (for filtered systems):** Failure to properly treat the water.
- **Total Coliform Rule:** The Total Coliform Rule, or TCR, establishes regulations for microbiological contaminants in drinking water. These contaminants can cause a short-term health problem. If no samples are collected during the one-month compliance period, a major monitoring violation occurs. States report four categories of violations to EPA:
 1. **Acute MCL violation:** A violation where the system found fecal coliform or E. coli, potentially harmful bacteria, in its water.
 2. **Non-acute MCL violation:** A violation where the system found total coliform in samples of its water at a frequency or at a level that violates the rule. For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5 percent of the samples positive for total coliform is a violation.
 3. **Major routine and follow-up monitoring:** A violation where a system did not perform any monitoring.
 4. **Sanitary Survey:** A major monitoring violation if a system fails to collect five routine monthly samples if sanitary survey is not performed.

Maximum Contaminant

Level: The highest amount of a contaminant allowed in drinking water. Maximum Contaminant Levels, or MCLs, ensure drinking water does not pose a health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

Monitoring: The department specifies which water testing methods the water systems must use and sets schedules for the frequency of testing. A water system that does not follow the department's schedule or methodology is in violation [10 CSR 60-4.010]. States must report monitoring violations that are significant as determined by the EPA Administrator, in consultation with the department. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period.

Groundwater Rule: Applies to public water systems that serve groundwater. It ensures monitoring of groundwater sources for E. coli contamination, and relies on four strategies to address this risk: periodic sanitary surveys, triggered source water monitoring in the case of a positive sample, corrective action for a system found to have a significant deficiency or source water E. coli contamination, and compliance monitoring to ensure the treatment technology is reliable.

Treatment Techniques: A water disinfection process that EPA requires instead of a MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

Violation: A failure to meet any state or federal drinking water regulation.

Organic Contaminants: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/ Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Organic Contaminants				*			
1,1,1-Trichloroethane	0.2					0	0
1,1,2-Trichloroethane	0.005					0	0
1,1-Dichloroethylene	0.007					0	0
1,2,4-Trichlorobenzene	0.07					0	0
1,2-DBCP	0.0002						
1,2-Dichloroethane	0.005					0	0
1,2-Dichloropropane	0.005					0	0
2,3,7,8-TCDD (Dioxin)	3x10-8						
2,4,5-TP	0.05					0	0
2,4-D	0.07					0	0
Acrylamide							
Alachlor	0.002						
Aldicarb	0.003					0	0
Aldicarb Sulfone	0.002					0	0
Aldicarb Sufoxide	0.004					0	0
Atrazine	0.003					0	0
Benzene	0.005					0	0
Benzo[a]pyrene	0.0002						
BHC Gamma	0.0002					0	0
Carbofuran	0.04					0	0
Carbon tetrachloride	0.005					0	0
Chlorobenzene	0.1					0	0
Chlordane	0.002					0	0
cis-1,2-Dichloroethylene	0.07					0	0
Dalapon	0.2					0	0
Di(2-ethylhexyl)adipate	0.4						
Di(2-ethylhexyl)phthalate	0.006						
Dichloromethane	0.005					0	0
Dinoseb	0.007					0	0
Diquat	0.02						
Endothall	0.1						
Endrin	0.002					0	0
Epichlorohydrin							
Ethylbenzene	0.7					0	0
Ethylene dibromide	0.00005						
Glyphosate	0.7						
Heptachlor	0.0004					0	0
Heptachlor epoxide	0.0002					0	0

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

*Shaded areas indicate a violation is not applicable in this category

Organic Contaminants: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Hexachlorobenzene	0.05						
Hexachlorobenzene	0.001					0	0
Hexachlorocyclopentadiene	0.05					0	0
Lasso	0.05					0	0
Lindane	0.0002						
Methoxychlor	0.04					0	0
Monochlorobenzene	0.1						
o-Dichlorobenzene	0.6					0	0
Oxamyl (Vydate)	0.2					0	0
Para-Dichlorobenzene	0.075					0	0
Pentachlorophenol	0.001					0	0
Picloram	0.5					0	0
Simazine	0.004					0	0
Styrene	0.1					0	0
Tetrachloroethylene	0.005					0	0
Toluene	1					0	0
Total PCB	0.0005						
Toxaphene	0.003					0	0
Trans-1,2-Dichloroethylene	0.1					0	0
Trichloroethylene	0.005					0	0
Vinyl chloride	0.002					0	0
Xylenes (total)	10					0	0

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

Disinfection Byproducts Rule: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Total trihalomethanes	0.80	22	11			0	0
Haloacetic acids	0.60	7	4			0	0
Disinfection byproducts		29	13	10	7		
Total Organic Compounds				6	3		
Insufficient or Non-certified Operator				4	4		

Inorganic Contaminants: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Inorganic Contaminants							
Antimony	0.006					0	0
Arsenic	0.010					0	0
Asbestos	7 million fibers/L						
Barium	2					0	0
Beryllium	0.004					0	0
Cadmium	0.005					0	0
Chromium	0.1					0	0
Cyanide (as free cyanide)	0.2					0	0
Fluoride	4.0	7	2			7	2
Mercury	0.002					0	0
Nitrate	10 (as nitrogen)						
Nitrite	1 (as nitrogen)						
Selenium	0.05					0	0
Thallium	0.002					0	0
Total nitrate and nitrite	10 (as nitrogen)					0	0

Radiological Contaminants: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Radiological Contaminants							
Gross Alpha	15pCi/L	33	11			7	4
Radium-226 and radium-228	5 pCi/L	30	13			7	4
Gross beta	4 mrem/yr						
Subtotal		63	16			14	4

Microbiological Contaminants: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Total Coliform Rule							
Acute MCL violation	Presence	19	17				
Non-acute MCL violation	Presence	376	266				
Major routine and follow up Monitoring						560	332
Sanitary survey ³							
Subtotal		376	266			560	332

¹ Values are in Picocuries per liter (pCi/L), unless otherwise specified

² Some systems may have violations in multiple categories

³ Number of violations for failure to perform sanitary survey under the Total Coliform Rule.

⁴ All Systems with an acute MCL violation also had a non-acute monthly MCL violation for the same month

Surface Water Treatment Rule: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Surface Water Treatment							
Filtered systems							
Monitoring, routine/repeat						2	2
Treatment techniques				7	3		
Unfiltered systems							
Monitoring, routine/repeat							
Failure to filter							
Subtotal				7	3	2	2

Lead and Copper Rule: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Lead and Copper Rule ¹							
Initial lead and copper tap monitoring and reporting						2	2
Follow-up or routine lead and copper tap monitoring and reporting						4	4
Treatment installation							
Public education						1	1
Subtotal						7	7

¹ Includes any system not up to date on lead and copper monitoring. Not comparable with Annual Compliance Report figures from 2013.

Public Notification: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Public Notification						415	252
Consumer Confidence Reports ¹						223	223
Subtotal						638	395

¹ Violations for failure to produce and distribute the 2013 Consumer Confidence Report in 2014.

Groundwater Rule: Jan. 1, 2014 - Dec. 31, 2014

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Groundwater Rule							
Failure to treat				7	6		
Failure to address contamination				0	0		
Failure to address deficiency				18	18		
Public Notice						29	28
Sanitary Survey						0	0
Major routine and follow up monitoring						126	84
Subtotal				25	24	155	98

I. Coliform MCL Violations

A. Acute

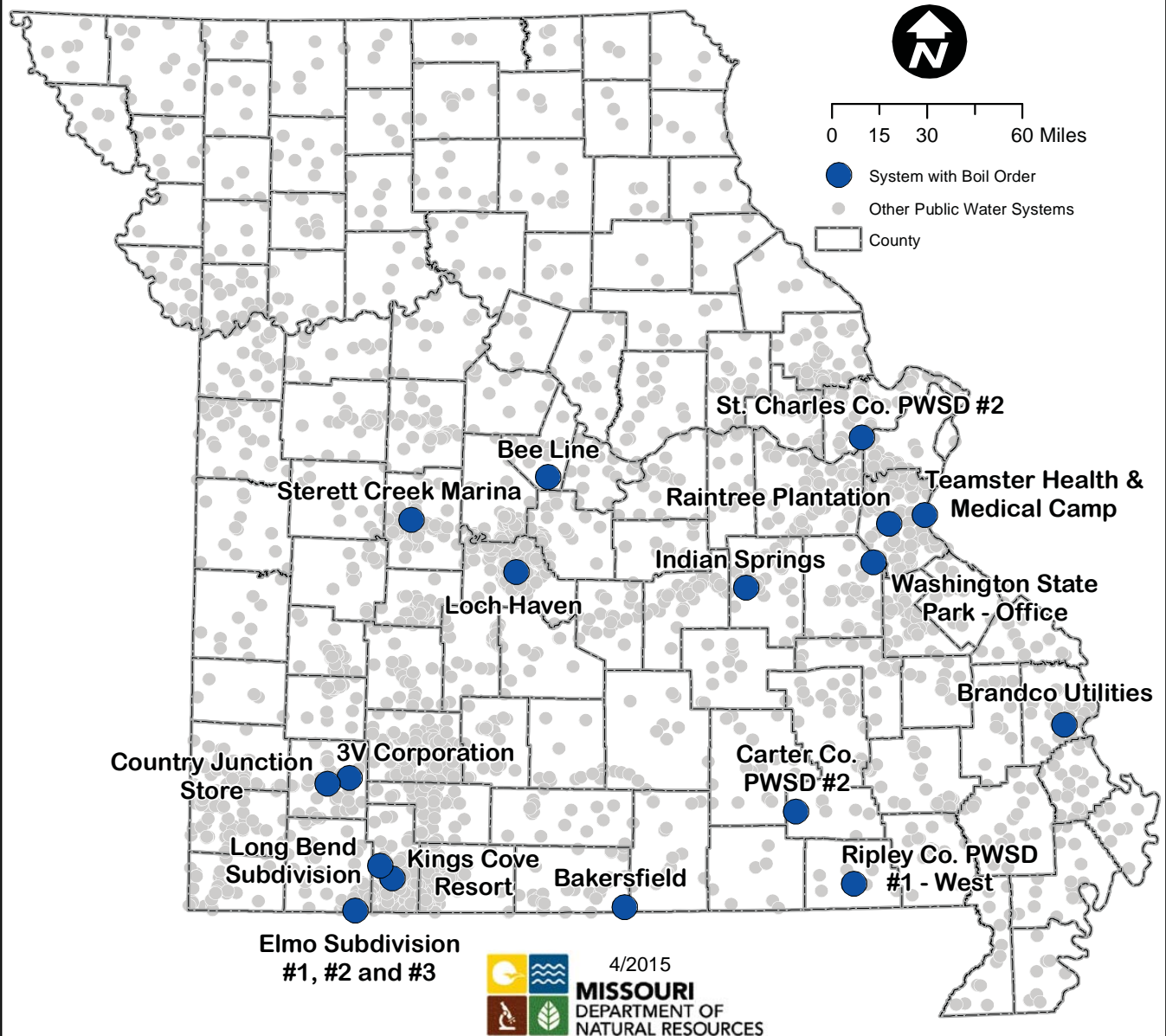
The following systems were under boil water orders due to acute MCL violations for fecal coliform or E. coli bacteria for the months listed. These acute violations also violate the standard for total coliform bacteria.

County	ID#	System Name	Month(s)	Issue	Rescind
BARRY	MO5031088	ELMO SUBDIVISION 1 & 2 & 3	January	1/18/2014	1/31/2014
BENTON	MO3100031	STERETT CREEK MARINA	August	8/22/2014	8/29/2014
	MO3100031	STERETT CREEK MARINA	October	10/16/2014	11/10/2014
CAMDEN	MO5031413	LOCH HAVEN	August	8/15/2014	9/18/2014
CAPE GIRARDEAU	MO4036038	HILLCREST UTILITY OPERATING CO INC	May	5/30/2014	6/27/2014
CARTER	MO4024109	CARTER CO PWSD 2	August	8/13/2014	8/22/2014
CRAWFORD	MO6192136	INDIAN SPRINGS	June	6/13/2014	6/26/2014
JEFFERSON	MO6036271	RAINTREE PLANTATION	July	7/16/2014	7/26/2014
	MO6240133	TEAMSTER HEALTH & MEDICAL CAMP	June	6/18/2014	6/27/2014
LAWRENCE	MO5231809	3V CORPORATION	June	6/12/2014	7/18/2014
	MO5258127	COUNTRY JUNCTION STORE	October	10/20/2014	10/23/2014
MONITEAU	MO3290673	BEE LINE	November	11/13/2014	11/25/2014
OZARK	MO5011066	BAKERSFIELD	October	10/14/2014	10/22/2014
RIPLEY	MO4024522	RIPLEY CO PWSD 1 WEST	September	9/12/2014	10/6/2014
ST CHARLES	MO6024530	ST CHARLES CO PWSD 2	August	8/22/2014	8/23/2014
	MO6024530	ST CHARLES CO PWSD 2	September	9/19/2014	9/21/2014
STONE	MO5191925	KINGS COVE RESORT	June	6/19/2014	6/26/2014
	MO5031233	LONG BEND SUBD	September	9/8/2014	9/19/2014
WASHINGTON	MO6120173	WASHINGTON STATE PARK-OFFICE	February	2/27/2014	3/31/2014

Note: If no "Rescind Date", the boil order was still in effect at time of printing.

2014 Boil Water Orders

Issued due to acute MCL violations and the Total Coliform Rule and the Surface Water Treatment Rule



For current boil water orders, check the department's web page at www.dnr.mo.gov/env/wpp/boil/index.html

Appendix A - MCL Violations Non-Acute

I. Coliform MCL Violations

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
ATCHISON	MO1024009	ATCHISON COUNTY PWSD 1	October
BARRY	MO5031088	ELMO SUBDIVISION 1 & 2 & 3	January
	MO5031354	WOOD HAVEN SUBDIVISION	April
	MO5210631	ROADHOUSE GRILL & PUB	October, December
	MO5210653	MITCHELLS PLAZA	October
	MO5211485	TIMBEROC VILLAGE SHOPPING CENTER	August
	MO5218155	SUBWAY	January, February
	MO5231302	SHUMAKER TIRE CO INC	October, November
	MO5233074	KINGS RIVER MARINA	August, September
	MO5252337	MAYO BEACH SUBD	December
	MO5291277	RAPID ROBERTS 106	September
BENTON	MO1041483	OUR SLICE OF PARADISE	December
	MO1212915	CHARLEYS BUFFET	August, September
	MO1212952	FERGERSONS RENTAL AND FERGS DINER	June
	MO1253088	EAGLE BAY PROPERTY OWNERS ASSOCIATION	May
	MO1271508	NEW HOME BAPTIST CHURCH	October
	MO1293111	BENT TREE HARBOR	September, November
	MO3010400	IONIA	October
	MO3031364	LAKE RIDGE BAY	January, February, March
	MO3036123	BLUE BRANCH IMPROVEMENT ASSOCIATION INC	February, April, June
	MO3048043	DOUBLE M MOBILE COACH RANCH	December
	MO3100031	STERETT CREEK MARINA	July, August, September, October
	MO3112192	USACE TRUMAN LONG SHOAL PUA	July
	MO3190264	HIDDEN LAKE MOTEL	September, October
	MO3190266	RIVERS END MOTEL	May, June
	MO3210904	LAKE HILLS MOTEL	June
	MO3242487	OSAGE BLUFF STUFF	April
	MO3291407	HOT SPOT 1	July, November
BOLLINGER	MO4243043	CASTOR RIVER PARK	December
BOONE	MO3024055	BOONE CO CONS PWSD 1	July, August, October
BUTLER	MO4010278	FISK	September
	MO4191461	MILLERS MOTOR LODGE	May, June, August, December
CALDWELL	MO1024078	CALDWELL CO PWSD 1	August
CALLAWAY	MO3010535	MOKANE WATER CO OP	August
CAMDEN	MO3031207	HIDDEN OAKS ESTATES	August
	MO3031323	GINGER COVE SUBDIVISION	July
	MO3071339	TT SEWER	September, November
	MO3190749	OZARK VILLAGE RESORT	June
	MO3190763	IRISH HILLS LAKESIDE RESORT LLC	July
	MO3191521	LAKEVIEW BEACH RESORT	May
	MO3191903	KAY LYNN RESORT	November, December
	MO3198088	MICKEYLAND RESORT	October, November, December
	MO3211391	TIREBITERS	June
	MO3218029	CARDINAL COVE	March, April
	MO3231654	RUNAWAY II RESORT	September

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
CAMDEN	MO3238026	LAKE VALLEY CONDOMINIUM	August
	MO3238042	OSAGE BEACH HARBOR SUBD	June
	MO3238271	BAYWOOD CONDOMINIUM	August, October
	MO5031413	LOCH HAVEN	August
	MO5031429	PLEASANT VALLEY ASSOCIATION 1	December
	MO5031544	OAK SHADOWS SUBDIVISION	May, June
	MO5212785	ROOSTERS BAR & GRILL	August
	MO5243013	MISSOURI TRAPSHOOTERS ASSOC	May
	MO5253022	MAPLE HILL SUBDIVISION	September
	MO5253086	SPORTSMAN LODGE SUBDIVISION NO 2	February, March, May
	MO5292984	7 EXPRESS	January
CAPE			
GIRARDEAU	MO4036038	HILLCREST UTILITY OPERATING COMPANY INC	May
CARTER	MO4024109	CARTER CO PWSD 2	August
CASS	MO1010061	BELTON	October
CEDAR	MO5010241	EL DORADO SPRINGS	October
	MO5172802	AGAPE BOARDING SCHOOL	July
	MO5190095	ORLEANS TRAIL RESORT	July, September
	MO5212752	ORLEANS TRAIL RESTAURANT	July
	MO5212832	BOAT HOUSE RESTAURANT & LOUNGE	January
	MO5282846	AMERICAN VETERANS POST 116	September
CHRISTIAN	MO5010071	BILLINGS	October, December
	MO5010576	NIXA	June, July, November
	MO5040637	APPLE VALLEY COURT	July
	MO5272763	OZARK UNITED METHODIST CHURCH	October
	MO5282624	SADDLEBROOKE VISITOR CENTER	October
CLAY	MO1010748	SMITHVILLE	April
CRAWFORD	MO3190845	SKIPPYS ROUTE 66 INN	August
	MO3240249	CAMP MIHASKA	December
	MO4043109	ROUTE 66 HOMES	November
	MO6010200	CUBA	November
	MO6010457	LEASBURG	June
	MO6120153	DILLARD MILL HISTORIC SITE	September
	MO6192136	INDIAN SPRINGS	June
DALLAS	MO5033116	RIDGEVIEW ESTATES	June
	MO5242820	WILD OAKS CAMPGROUND	May, June, July, August
	MO5292380	D DIAMOND TRAVEL PLAZA	August, September, October
DENT	MO4283064	VIRGINIA VAUGHAN RENTALS	November
DUNKLIN	MO4024207	DUNKLIN CO PWSD 2	April, October
FRANKLIN	MO6010303	GERALD	August
	MO6010568	NEW HAVEN	July
	MO6010801	UNION	October, November
	MO6010838	WASHINGTON	October, November, December
	MO6024211	FRANKLIN CO PWSD 1	August, November, December
	MO6031237	HAYFIELD WATER WORKS	July

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
FRANKLIN	MO6048201	TALL OAKS MHP	July
	MO6048249	SPRING MEADOWS MHP	March
	MO6242645	CAMP TRINITY	September
GASCONADE	MO3031167	BLACK FOREST HOA INC NO 2	November
	MO3272482	SHEPHERD OF THE HILLS LUTHERAN CHURCH	September
	MO6036015	PEACEFUL VALLEY SERVICE CO	July
GREENE	MO6213108	BARE BONES BBQ	July
	MO5010032	ASH GROVE	April
	MO5010768	STRAFFORD	August
	MO5024231	GREENE CO PWSD 6	November
	MO5036094	GREENE HILLS COUNTRY CLUB	September
	MO5036187	CROSS ROADS ACRES	August
	MO5036241	PEACE OF MIND ESTATES	August
	MO5036258	EASTBOUROUGH SUBD	May
	MO5036304	PEMBROOK VILLAGE SUBD	August
	MO5048237	COUNTRY ESTATES MHP	August
	MO5182118	SOUTHWEST TREATMENT PLANT	June
	MO5188304	JOHN TWITTY ENERGY CENTER	October
	MO5271587	TEMPLE ISRAEL	September
	MO5292389	PYRAMID FOODS	July
HENRY	MO1021175	HENRY CO PWSD 4	February
HICKORY	MO5238302	FUGATE MOBILE HOME PARK	July
	MO5242917	RAINS RV PARK	October
	MO5283019	PRAIRIE CHAPEL UMC	August
IRON	MO4202634	DOE RUN COUNTRY CLUB	January
	MO4292490	21 EXPRESS	July
JASPER	MO5010665	PURCELL	November
	MO5031602	MALFUNCTION JUNCTION	September
	MO5041599	PLEASANT VALLEY MHP	June
JEFFERSON	MO6036028	LAKE LORRAINE WATER CO	July
	MO6036031	SUMMER SET UTILITY CO	December
	MO6036271	RAINTREE PLANTATION	July, August
	MO6171877	CEDAR SPRINGS ELEM SCHOOL	November
	MO6240133	TEAMSTER HEALTH & MEDICAL CAMP	June
LACLEDE	MO5240142	FISHING TALES RV PARK & WEAVERS TACKLE	July
	MO5282611	SIGN FAB INC	September
LAFAYETTE	MO1010184	CONCORDIA	September
LAWRENCE	MO5212682	HUNGRY HOUSE CAFE	June
	MO5231809	3V CORPORATION	June
	MO5258127	COUNTRY JUNCTION STORE	October
	MO5292369	MASSIES SUPER STOP	February
	MO6031248	BENNINGTON ESTATES	September
LINCOLN	MO6031357	FAWN LAKES	December
	MO6031493	ROCKPORT SUBDIVISION	September
	MO6040116	CREST VIEW MOBILE COURT	August

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
LINCOLN	MO6212332	JR DIAMONDS	October
	MO6240045	CAMP TUCKAHO	October
LINN	MO2010112	BUCKLIN	August
MADISON	MO4010501	MARQUAND	July
MARIES	MO3021138	MARIES CO PWSD 1 NORTH	July
	MO3180610	KINGSFORD MANUFACTURING CO	July
	MO3242408	TURKEY HILL RANCH BIBLE CAMP	June
MCDONALD	MO5031173	SKY BLUE WATER INC	January
	MO5272723	NEW LIFE FELLOWSHIP CHURCH	June
	MO5272914	PATTERSON HEIGHTS BAPTIST CHURCH	February
MILLER	MO3010441	LAKE OZARK	July
	MO3031381	OAK HILL FOREST SUBDIVISION	September
	MO3190813	THE RESORT AT PORT ARROWHEAD	June, July, August
	MO5212967	OLD TOWN OSAGE	May, July
	MO5292911	CEDAR JUNCTION	January
MONITEAU	MO3290673	BEE LINE	November
MONTGOMERY	MO3011121	RHINELAND	May, August, December
MORGAN	MO3010783	SYRACUSE	October
	MO3031338	JOHNSON BAY SUBDIVISION	October, November
	MO3031345	OKLATERRE MOBILE HOME PARK	May, June
	MO3031358	MORGAN CO PWSD # 2	March, July, September
	MO3190842	ROCK HARBOR RESORT	September
	MO3211428	THE 5 DINER	April, May, August, September
	MO3241404	HAVA SPACE RV PARK	February, May
	MO3252600	OSAGE COMMUNITY ELKS LODGE 2705	June
	MO5031436	10 4 WATER SYSTEM	June
	MO5032892	SOUTH COVE HOA	January
	MO5253105	HOLIDAY VALLEY SUBDIVISION	June, July
	MO5301457	MILLSTONE LUXURY CONDOMINIUMS	June, July
	MO5301489	BLUE ANCHOR BAY CONDOMINIUMS	June, November
NEW MADRID	MO4010689	RISCO	November
NEWTON	MO5182750	OZARK STAVE PRODUCTS	June, July
	MO5241734	KOA CAMPGROUND	October, November, December
	MO5242492	SKATELAND	August
OSAGE	MO3010517	META	September
	MO3181615	DIAMOND PET FOODS	May
OZARK	MO5011066	BAKERSFIELD	October, November
	MO5201082	RAINBOW TROUT & GAME RANCH	September
	MO5202448	LOST WOODS GOLF COURSE	May, June
	MO5212725	CEDAR HAVEN PARK	August, September, October
	MO5240536	DAWT MILL AND CAMPGROUND	July, August, November
PETTIS	MO5292331	ROYS STORE	April
	MO1041587	WOOLERY MHP	October
	MO3036065	SOUTHERN HILLS WATER CO	September
	MO3190893	BUDGET HOST SUPER 7 MOTEL	January

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
PHELPS	MO3010712	ST JAMES	October
	MO3190089	THE JAMES FOUNDATION	June
	MO4173128	INKNOWVATIONS ACADEMY	September
PLATTE	MO1010237	EDGERTON	July
POLK	MO5010085	BOLIVAR	August
	MO5010545	MORRISVILLE	June
	MO5031606	SUNSHINE ESTATES	April, June
	MO5032924	TURTLECREEK SUBDIVISION	September
	MO5193115	RED CEDAR MOTEL AND RV PARK	June
	MO5248066	CAMP WAKAHNI	August, September
PULASKI	MO3010720	ST ROBERT	October
	MO3010841	WAYNESVILLE	December
	MO3024491	PULASKI CO PWSD 2	October
	MO3202484	OAK HILLS COUNTRY CLUB	August
	MO4031626	MC COUCH DRIVE HOA	January
	MO4024522	RIPLEY CO PWSD 1 WEST	September
RIPLEY	MO4010531	MINER	June
SCOTT	MO4142876	TWIN PINES CONSERVATION EDUCATION FACILITY	December
SHANNON	MO6036022	PRAIRIE VIEW ACRES SUBD	September
	MO6163066	TOWNE PARK	April, May
	MO6213036	THIES FARM	December
ST CLAIR	MO6282901	CHANDLER HILL VINEYARD	August
	MO5171219	ROSCOE C 1 ELEM SCHOOL	September
	MO5213079	SUGARFOOT BARBEQUE	June
ST FRANCOIS	MO5238065	KREBS MOBILE HOME LIVING	August, September
	MO4010270	FARMINGTON	June, August, September, October
	MO4021451	PILOT KNOB RURAL WD 1 DOE RUN AREA	February
	MO4024539	ST FRANCOIS CO PWSD 2	September
	MO4292597	SHERRYS	May, June
ST LOUIS	MO6069092	WYMAN	October
	MO6202395	LONE ELK COUNTY PARK	July
	MO4024543	STE GENEVIEVE CO PWSD 1 SC	August
STE GENEVIEVE	MO4024544	STE GENEVIEVE CO PWSD 1 NORTH	June
	MO4258565	PEACEFUL VALLEY BAPTIST CAMP	June
	MO4024581	STODDARD CO PWSD 1	September
STODDARD	MO4180594	NESTLE PURINA PETCARE COMPANY	January
STONE	MO5024591	MO ARK WATER CO	July, September, November
	MO5031070	OVERLOOK SUBDIVISION	October, November, December
	MO5031233	LONG BEND SUBD	September
	MO5031511	MORNINGSIDE DEVELOPMENT	January, February
	MO5031540	PINNACLE SHORES SUBDIVISION	July
	MO5036016	LONGVIEW SUBDIVISION	June
	MO5036201	STONEBRIDGE WEST SUBD	May, September
	MO5036263	OZARK MOUNTAIN VILLAGE HOMES	July, August

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
STONE	MO5040355	ROCKY TOP MOBILE HOME COURT	March, April
	MO5043117	WARRENS OAKLAND PARK	December
	MO5061373	LIVES UNDER CONSTRUCTION BOYS RANCH	October
	MO5190587	WHITE EAGLE WOODS MHP	January, May, October
	MO5191925	KINGS COVE RESORT	June, July
	MO5251628	GRANDVIEW ACRES SUBD	July
	MO5253017	HER-LOY ESTATES SUBDIVISION	August, September, October
	MO5258122	WHITE OAK STATION # 6	June, July
	MO5292451	JJ JUNCTION	November, December
	MO5292589	CROSS ROADS STORE	May
TANEY	MO5024600	TANEY CO PWSD 2	September
	MO5031398	CEDAR SHORES RANCH ESTATES	April
	MO5036180	TANEY CO WATER LLC - VENICE	January
	MO5048992	WALKER MOBILE HOME PARK	December
	MO5070683	DEER RUN APTS	July, September
	MO5191022	COOPER CREEK RESORT	November
	MO5201414	AMERICAS BEST CMPGRND	November
	MO5211955	SHEPHERD OF THE HILLS	August, September, October
	MO5221580	BRANSON AIRPORT LLC	July
	MO5240145	CLEVINGER BRANCH MEMBERS CORP	August
TEXAS	MO5292575	RAPID ROBERTS 121	July, September
	MO4024608	TEXAS CO PWSD 3	November, December
	MO4211081	EL RANCHO TRUCK PLAZA	October
VERNON	MO5024617	VERNON CO PWSD 2	November
WARREN	MO6010874	WRIGHT CITY	October
	MO6036096	GLENBROOK ESTATES	June
	MO6048356	PLEASANT OAK MHP	July, August
	MO6213062	CEDAR LAKE CELLARS	July, October, November, December
WASHINGTON	MO4173065	LITTLE LEARNERS ACADEMY	May, July, August
	MO4180243	BUCKMAN NORTH AMERICA CADET PLANT	September, October, December
	MO4228500	BATES CREEK BAPTIST CAMP	July, August
	MO6010659	POTOSI	November
	MO6069096	POTOSI EAST	December
WAYNE	MO6120173	WASHINGTON STATE PARK-OFFICE	January, February
	MO4100019	USFS MARKHAM SPRING	April
	MO4112033	USACE WAPPAPELLO RES HOLLIDAY LANDING	June
WEBSTER	MO5010283	FORDLAND	October
	MO5010503	MARSHFIELD	November
	MO5069035	OZARK CORRECTIONAL CENTER	July
	MO5213087	FRATERNAL ORDER OF BEARS # 27	October
	MO5273091	TIMBER RIDGE BAPTIST CHURCH	July
WRIGHT	MO5290233	HANNAHS GENERAL STORE	November
	MO5183025	BAKER CREEK HEIRLOOM SEED CO	July, August, September

II. Chemical MCL Violations

County	ID#	System Name	Chemical
AUDRAIN	MO2010812	VANDALIA	TOTAL TRIHALOMETHANE (TTHM) TOTAL HALOACETIC ACIDS (HAA5)
BATES	MO1010001	ADRIAN	TOTAL TRIHALOMETHANE (TTHM)
CASS	MO1010024	ARCHIE	TOTAL TRIHALOMETHANE (TTHM)
DEKALB	MO1010510	MAYSVILLE	TOTAL TRIHALOMETHANE (TTHM)
GRUNDY	MO2024237	GRUNDY CO PWSD 1	TOTAL TRIHALOMETHANE (TTHM)
HOWARD	MO2010566	NEW FRANKLIN	TOTAL TRIHALOMETHANE (TTHM)
JACKSON	MO1010921	UNITY VILLAGE	TOTAL TRIHALOMETHANE (TTHM)
LAFAYETTE	MO1024326	LAF/JO/SALINE CO CONS PWSD 2	TOTAL TRIHALOMETHANE (TTHM)
LINCOLN	MO6024340	LINCOLN CO PWSD 1	FLUORIDE
	MO6031217	TIMBER RIDGE ESTATES	FLUORIDE
MADISON	MO4010290	FREDERICKTOWN	TOTAL HALOACETIC ACIDS (HAA5)
MARION	MO2010344	HANNIBAL	TOTAL TRIHALOMETHANE (TTHM)
SALINE	MO2010502	MARSHALL	TOTAL TRIHALOMETHANE (TTHM)
	MO2010780	SWEET SPRINGS	TOTAL HALOACETIC ACIDS (HAA5) TOTAL TRIHALOMETHANE (TTHM)
WORTH	MO1010739	SHERIDAN	TOTAL HALOACETIC ACIDS (HAA5)

III. Radiological MCL Violations

County	ID#	System Name	Chemical
CAMDEN	MO3031265	BIG ISLAND WATER COMPANY	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
CAPE GIRARDEAU	MO4021532 MO4031453	CAPE GIRARDEAU CO PWSD 5 WESTLAKE MEADOWS SUBDIVISION	GROSS ALPHA EXCL. RADON & U COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
LINCOLN	MO6010902 MO6031193	SILEX TARA VALLEY WATER ASSN	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
MCDONALD	MO5010449	LANAGAN	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
OZARK	MO5024444	OZARK CO PWSD 1	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
ST CHARLES	MO6030484	COUNTRY ESTATES	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
ST FRANCOIS	MO4010087 MO4010270	BONNE TERRE FARMINGTON	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
TANEY	MO4021451 MO4069041 MO5036210 MO5301550	PILOT KNOB RURAL WD 1DOE RUN AREA FARMINGTON CORRECTIONAL CENTER MO AMERICAN - RIVERSIDE ESTATES BRIARWOOD & REDBUD SHORES WATER ASSOCIATION	COMBINED RADIUM (-226 & -228) COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U GROSS ALPHA, EXCL. RADON & U
VERNON	MO5024616	VERNON CO PWSD 1	COMBINED RADIUM (-226 & -228)
WASHINGTON	MO4011123	MINERAL POINT	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)

IV. Surface Water Violations

The following systems violated the Surface Water Rule, Treatment Technique for Turbidity or other surface water requirements in the months or annual period indicated.

County	ID#	System Name	Period	Violation
ADAIR	MO2010429	KIRKSVILLE	October	Combined Filter Effluent Turbidity
DEKALB	MO1010510	MAYSVILLE	April, May, July	Combined Filter Effluent Turbidity
JACKSON	MO1010921	UNITY VILLAGE	May, June	Combined Filter Effluent Turbidity
SULLIVAN	MO2181076	SMITHFIELD FARMLAND CORP	November	Combined Filter Effluent Turbidity

APPENDIX B

Chronic Major Monitoring

The following systems had three or more major monitoring violations of the Total Coliform Rule in 2014.

County	System Name	PWS ID #	Months
BARRY	MITCHELLS PLAZA	MO5210653	July, September, November, December
	TIMBEROC VILLAGE SHOPPING CENTER	MO5211485	January, June, November
BENTON	HIDDEN VALLEY MHP	MO3262156	January, February, March, April, May, June, July, August, September, October, November, December
	MARYS RESTAURANT CATFISH & MORE	MO1212807	January, July, December
	T T CAMPGROUND	MO1242804	January, February, March, April, May, June, July, August, September, October, November, December
CAMDEN	COUNTRY MEADOWS ESTATES	MO3041122	May, June, July, August, September, October, November, December
	PETES PLACE	MO3212580	February, July, October, December
DOUGLAS	FRATERNAL ORDER OF EAGLE 3748	MO5218158	January, August, September
GASCONADE	BARE BONES BBQ	MO6213108	January, April, May, June, September
	ON THE LINE DINER	MO6213044	January, February, March, April, June, August, October
GREENE	COUNTRY ESTATES MHP	MO5048237	June, July, September, October
	FELLOWSHIP BIBLE CHURCH	MO5272936	May, June, August, September
	KUM & GO 497	MO5258072	January, July, August
	PHILLIPS 66 #258	MO5292347	January, February, July, August
	PYRAMID FOODS	MO5292389	February, May, June
HICKORY	POMME DE VILLA SUBDIVISION	MO5252968	January, April, August
JASPER	FLYIN W CONVENIENCE STORE	MO5258080	February, May, September
JEFFERSON	WOODHURST MHP	MO6048059	January, February, March, April, May, June, July, August, September, October, November
LACLEDE	MOUNTAIN CREEK FAMILY RESORT	MO5240134	April, May, June, July
	STOUTLAND EAGLE STOP	MO5292470	April, August, September
LAWRENCE	HUNGRY HOUSE CAFE	MO5212682	May, July, November
LINCOLN	SILEX	MO6010902	May, June, July
MARIES	MORELANDS CATFISH PATCH & STEAK HOUSE	MO3211025	February, May, September
MILLER	CAMP BAGNELL	MO3241749	May, July, August, October
	DOCKNOCKERS DIVE BAR	MO5213069	May, June, August, September
	W-15 MINI MART LLC	MO5213046	February, October, November
MONTGOMERY	DANVILLE SINCLAIR	MO3291410	February, March, April
MORGAN	SKYLINE SUBDIVISION	MO5031589	May, June, July, September
NEWTON	NANSYS MEXICAN RESTAURANT	MO5211212	January, April, July, August, December
OZARK	TWIN FORKS RESORT	MO5190867	June, July, September
OZARK	VAUGHTS RESTAURANT	MO5211828	January, February, May, August
PETTIS	KREATIVE KIDDOS	MO1283097	February, May, June, August
ST CHARLES	NORTH SHORE MARINA	MO6232941	June, August, September
	THIES FARM	MO6213036	June, August, November
ST FRANCOIS	SHAMROCK REST & LOUNGE	MO4210857	February, June, December
	ST FRANCOIS COUNTRY CLUB INC	MO4202962	January, February, August
	TERRACE OF FRENCH VILLAGE	MO4283101	March, May, July
ST LOUIS	JAY HENGES RANGE	MO6140960	February, May, July, September, November, December
STONE	CROSS ROADS STORE	MO5292589	April, June, July, November, December
	SKYVIEW SUBDIVISION	MO5031613	January, February, March, April, May, June, July, August, September, October, November, December
WARREN	CEDAR LAKE CELLARS	MO6213062	January, February, March
WASHINGTON	ROGUE CREEK UTILITIES	MO4036318	January, July, September, October
WEBSTER	PARADISE IN THE WOODS RV PARK	MO5192893	June, July, November
	SORRELLS TRADING POST	MO5292595	January, February, March, April, May, June, July

Appendix C

Major Repeat Monitoring Violations

The following systems had major repeat monitoring violations for the months listed. A major repeat monitoring violation occurs when a routine sample tests positive for total coliform bacteria and that system fails to submit any follow-up, or repeat, samples as required.

County	ID#	System Name	Month(s)
BARRY	MO5210653	MITCHELLS PLAZA	July, September
BENTON	MO3036072	LAKEVIEW HEIGHTS WATER ASSOC INC	May
CAMDEN	MO3041122	COUNTRY MEADOWS ESTATES	May
	MO3190038	KELLEYS LANDING	June
CHRISTIAN	MO5273003	LIFEPOINT CHURCH	September
DALLAS	MO5242820	WILD OAKS CAMPGROUND	August
FRANKLIN	MO6048249	SPRING MEADOWS MHP	April
GASCONADE	MO6293060	OLD DUTCH MILL	June
GREENE	MO5048145	SILVER BELL MOBILE HOME PARK	January
LACLEDE	MO5024317	LACLEDE CO PWSD 1	July
LAWRENCE	MO5212682	HUNGRY HOUSE CAFE	May, July
LINCOLN	MO6031475	MO AMERICAN - ANNA MEADOWS	July
MORGAN	MO3010783	SYRACUSE	September
	MO5202702	MALLARD BAY	July
NEWTON	MO5211145	UNDERCLIFF	August
	MO5241734	KOA CAMPGROUND	December
OZARK	MO5191387	THEODOSIA MARINA RESORT INC	June
PULASKI	MO3211134	THE CAVE RESTAURANT & RESORT	May, October
ST CLAIR	MO5010020	APPLETON CITY	November
ST FRANCOIS	MO4024539	ST FRANCOIS CO PWSD 2	August
STE GENEVIEVE	MO4258565	PEACEFUL VALLEY BAPTIST CAMP	November
STONE	MO5030473	STARLIGHT VILLAGE	January
	MO5190611	DEER RUN STORE	December
	MO5190988	DOUBLE OAK RESORT	September
WARREN	MO6010874	WRIGHT CITY	September
WAYNE	MO4100019	USFS MARKHAM SPRING	July
	MO4112033	USACE WAPPAPELLO RES HOLLIDAY LANDING	September
WEBSTER	MO5292595	SORRELLS TRADING POST	January

MISSOURI



**NATURAL
RESOURCES**

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